

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L6    | 17   | ((("4734637") or ("4814689") or ("5068614") or ("5442473") or ("5703489") or ("5811655") or ("5884236") or ("5994905") or ("6105157") or ("6449568") or ("6469514") or ("6609077") or ("6879919") or ("20010053960") or ("20030106361") or ("20040208523") or ("20050080579")).PN.  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/09/21 09:03 |
| L7    | 1    | I6 and envelope   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/21 09:03 |
| S1    | 66   | ((("5600709") or ("4510497") or ("4531927") or ("4875646") or ("4959873") or ("4991701") or ("5327253") or ("5375010") or ("5442473") or ("5764371") or ("5781084") or ("5844691") or ("5862311") or ("6067170") or ("6259676") or ("6456760") or ("6461803") or ("5410407") or ("5459451") or ("4326262") or ("4331972") or ("4817428") or ("5333270") or ("4817141") or ("4933770") or ("5307398") or ("5543852") or ("5617475") or ("6072434") or ("6124949") or ("5703608") or ("4763104") or ("4805119") or ("5394438") or ("6177852") or ("4389677") or ("4397035") or ("4815040") or ("4839725") or ("4843382") or ("4886943") or ("4901158") or ("4970506") or ("5366424") or ("5450921") or ("5513211") or ("5566082") or ("5670980") or ("5796357") or ("5812567") or ("6708123") or ("6609077") or ("6469514") or ("6460152") or ("6449568") or ("6224180") or ("6189382") or ("6105157") or ("5884236") or ("5712427") or ("5590137") or ("5216673") or ("5139328") or ("4827437") or ("4660197") or ("4249258")).PN. | USPAT   | OR               | OFF     | 2005/09/19 11:04 |

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| S2 | 930  | ((702/89,106,69,65,71) or (73/1.42)).CCLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 13:59 |
| S3 | 545  | (702/85).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 13:59 |
| S4 | 523  | S3 and @ad < "20040416"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 13:59 |
| S5 | 115  | S4 and delay   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 13:59 |
| S6 | 104  | S5 and (wave signal)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:06 |
| S7 | 3064 | ((702/65-66,69,71-75,89-90,57,79,106) or (73/1.42) or (324/601)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:09 |
| S8 | 729  | S7 and (impedence resistance) and (signal wave transmission)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:14 |
| S9 | 211  | S8 and delay   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:14 |

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| S10 | 108   | S9 and (propagation transmission)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:15 |
| S11 | 69    | S10 and (correct correction<br>compensate compensation calibrate<br>calibration)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:21 |
| S12 | 22201 | "propagation delay"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:26 |
| S13 | 19819 | S12 and (wave signal)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:26 |
| S14 | 2     | S13 and (calibration same delay)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:27 |
| S15 | 3210  | S13 and (delay same (calibration<br>calibrate correct correction modify<br>modification)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:28 |
| S16 | 2118  | S15 and (null peak zero)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:28 |
| S17 | 1992  | S16 and @ad < "20040416"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:28 |

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| S18 | 687   | S17 and wave  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:30 |
| S19 | 140   | S18 and envelope  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/19 14:31 |
| S20 | 116   | charles adj miller.inv.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 08:49 |
| S21 | 74    | ("4354269"   "4433414"   "4497056"<br>  "4517661"   "4629940"  <br>"4631724"   "4734637"   "4799008"<br>  "4833397"   "4928278"  <br>"5225775"   "5231314"   "5262716"<br>  "5305329"   "5385392"  <br>"5387885"   "5532983"   "5556549"<br>  "5565737"   "5576629"  <br>"5644261"   "5696951"   "5701306"<br>  "5703489"   "5712592"  <br>"5712882"   "5712883"   "5734685"<br>  "5770922"   "5821529"  <br>"5834931"   "5867020"   "5884236"<br>  "6060898"   "6133725"  <br>"6331783"   "6396856").PN. OR<br>("2001/0053960"   "2003/0106361"<br>  "5884236"   "6105157"  <br>"6449568"   "6469514").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/09/20 09:22 |
| S22 | 27214 | "702".clas. and @ad < "20040416"  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/09/20 09:22 |
| S23 | 1092  | S22 and length and wave and signal<br>and delay   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/09/20 09:23 |
| S24 | 523   | S23 and transmission and line   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/09/20 09:23 |
| S25 | 471   | S24 and (frequency frequencies)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/09/20 09:23 |
| S26 | 55    | S25 and propagation and<br>(resistance impedance)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/09/20 09:24 |

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| S27 | 11    | ("3842370"   "4135397").PN. OR ("4734637").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/09/20 09:47 |
| S28 | 31    | ("3535628"   "3590368"   "3617880"   "3771056"   "3796948"   "3911358"   "3991364"   "4041381"   "4077899"   "4598575"   "4734637"   "4766386"   "4812738"   "4816767").PN. OR ("4814689"   "5068614").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/09/20 09:58 |
| S29 | 38431 | propagation same delay   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 10:33 |
| S30 | 5868  | S29 and frequency and reflected  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 10:33 |
| S31 | 4962  | S30 and @ad < "20040416"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 10:34 |
| S32 | 265   | S31 and (frequency same sweep)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 10:34 |
| S33 | 209   | S32 and (peak null zero)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 10:35 |
| S34 | 107   | S33 and channel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 10:45 |
| S35 | 6     | S34 and ("half wave" or "quarter wave")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 10:46 |

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| S36 | 93571 | (peak null zero) same detection  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 11:09 |
| S37 | 29362 | S36 and (average averaging)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 11:10 |
| S38 | 3986  | S37 and envelope   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 11:10 |
| S39 | 3864  | S38 and signal   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 11:10 |
| S40 | 135   | S39 and "propagation delay"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 11:10 |
| S41 | 126   | S40 and @ad < "20040416"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 11:11 |
| S42 | 3072  | ((702/65-66,69,71-75,89-90,57,79,<br>106) or (73/1.42) or (324/601)).<br>CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 12:21 |
| S43 | 113   | S42 and delay and reflect  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 12:22 |

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| S44 | 50     | S43 and wave                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 12:28 |
| S45 | 141328 | "transmission line"               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 12:28 |
| S46 | 23648  | S45 and delay                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 12:28 |
| S47 | 1152   | S46 and (delay same compensation) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 12:29 |
| S48 | 110    | S47 and reflect                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/20 12:29 |